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MVK Protein (GST tag, His tag)



Image



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Overview

Quantity:	50 μg
Target:	MVK
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MVK protein is labelled with GST tag, His tag.
Product Details	
Purpose:	Recombinant Human MVK/Mevalonate kinase Protein (His & GST Tag)
Sequence:	Met 1-Leu 396
Characteristics:	A DNA sequence encoding the human MVK (Q03426) (Met1-Leu396) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Target Details	
Target:	MVK
Alternative Name:	MVK/Mevalonate kinase (MVK Products)
Background:	Background: Mevalonate kinase belongs to the GHMP kinase family, Mevalonate kinase subfamily. It can be found in a wide variety of organisms from bacteria to mammals. Mevalonate kinase may be a regulatory site in cholesterol biosynthetic pathway. Defects in

mevalonate kinase can cause mevalonic aciduria (MEVA). It is an accumulation of mevalonic acid which causes a variety of symptoms such as psychomotor retardation, dysmorphic features, cataracts, hepatosplenomegaly, lymphadenopathy, anemia, hypotonia, myopathy, and ataxia. Defects in mevalonate kinase can also cause hyperimmunoglobulinemia D and periodic fever syndrome (HIDS). HIDS is an autosomal recessive disease characterized by recurrent episodes of unexplained high fever associated with skin rash, diarrhea, adenopathy (swollen, tender lymph nodes), athralgias and/or arthritis.

Synonym: LRBP,MK,MVLK,POROK3

Molecular Weight: 70.2 kDa

UniProt: Q03426

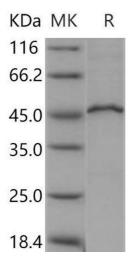
Application Details

Restrictions: For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as sterile 20 mM Tris, 500 mM NaCl, 2 mM DTT, pH 7.4, 10 % glycerol
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Images



Western Blotting

Image 1.